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- (2) about 1% of acetyl tributyl citrate;
- (3) about 30% of isooctane; and
- (4) about 50% of hexamethyldisiloxane.

In an alternative embodiment, the composition comprises:

- (1) about 19% cycloalkyl methacrylate copolymer;
- (2) about 1% of acetyl tributyl citrate;
- (3) about 19% of isooctane;
- (4) about 11% of isododecane; and
- (5) about 50% of hexamethyldisiloxane.

The composition is made by adding the solvents (isooctane and/or isododecane and hexamethyldisiloxane) to the polymer and plasticizer and mixing with vigorous agitation.

The polymer is applied to the skin and forms a protective film that can be used, for example, to cover ostomy apertures, wounds, and other openings in the skin.

ADVANTAGES OF THE INVENTION

The present invention provides a protectant film that leaves a clear film on the skin. The skin is flexible on the skin so that it will not crack or flake. The film does not interfere with adhesion of ostomy appliances, wound care dressing, tape, or attachable breast forms. The film protects skin against urine, feces, enzymatic drainage, wound drainage or adhesive trauma. The application of the film leaves a shiny appearance so that one can see that the film has been applied.

The composition of the present invention is non-stinging. The solvent of the composition evaporates rapidly, leaving a dry film. These properties enhance the performance of the composition.

Although the present invention has been described in considerable detail, with reference to certain preferred versions thereof, other versions and embodiments are possible. Therefore, the scope of the invention is determined by the following claims.

I claim:

1. A composition that dries to produce a protective film for skin when applied to the skin of a user comprising:

- (a) cycloalkyl methacrylate copolymer;
- (b) an evaporative solvent system comprising hexamethyldisiloxane and at least one saturated branched-chain hydrocarbon selected from the group consisting of isooctane, isodecane, and isododecane that is a solvent for the cycloalkyl methacrylate copolymer and can evaporate so that the copolymer is deposited on the skin, the cycloalkyl methacrylate copolymer being soluble in the evaporative solvent system; and
- (c) a plasticizer to provide flexibility to the film deposited on the skin.

2. The composition of claim 1 wherein the at least one saturated branched-chain hydrocarbon is a mixture of isooctane and isododecane.

3. The composition of claim 1 wherein the at least one saturated branched-chain hydrocarbon is isooctane.

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4. The composition of claim 1 wherein the plasticizer is selected from the group consisting of acetyl tributyl citrate, acetyl triethyl citrate, tributyl citrate, triethyl citrate, acetyl tripropyl citrate, tripropyl citrate, dibutyl sebacate, acetyl dibutyl sebacate, dipropyl sebacate, acetyl dipropyl sebacate, diethyl sebacate, and acetyl diethyl sebacate.

5. The composition of claim 4 wherein the plasticizer is acetyl tributyl citrate.

6. The composition of claim 1 wherein the cycloalkyl methacrylate copolymer is a bicycloalkyl methacrylate copolymer.

7. The composition of claim 1 wherein the composition comprises from about 5 percent to about 25 percent of the cycloalkyl methacrylate copolymer, from about 73 percent to about 94.5 percent of the evaporative solvent, and from about 0.5 percent to about 2.0 percent of the plasticizer.

8. The composition of claim 1 wherein the evaporative solvent comprises a mixture of isooctane and isododecane, and the plasticizer is acetyl tributyl citrate.

9. The composition of claim 1 wherein the evaporative solvent comprises isooctane and hexamethyldisiloxane, and the plasticizer is acetyl tributyl citrate.

10. The composition of claim 8 wherein the composition comprises from about 5 percent to about 25 percent of the cycloalkyl methacrylate copolymer, from about 73 percent to about 94.5 percent of the evaporative solvent, and from about 0.5 percent to about 2.0 percent of the plasticizer.

11. The composition of claim 9 wherein the composition comprises from about 5 percent to about 25 percent of the cycloalkyl methacrylate copolymer, from about 73 percent to about 94.5 percent of the evaporative solvent, and from about 0.5 percent to about 2.0 percent of the plasticizer.

12. The composition of claim 8 wherein the ratio of isooctane, isododecane, and hexamethyldisiloxane is about 19:11:50.

13. The composition of claim 9 wherein the ratio of isooctane to hexamethyldisiloxane is about 3:5.

14. A composition that dries to produce a protective film for skin when applied to the skin of a user comprising:

- (a) about 19 percent of cycloalkyl methacrylate copolymer;
- (b) about 1 percent of acetyl tributyl citrate;
- (c) about 30 percent of isooctane; and
- (d) about 50 percent of hexamethyldisiloxane.

15. A composition that dries to produce a protective film for skin when applied to the skin of a user comprising:

- (a) about 19 percent of cycloalkyl methacrylate copolymer;
- (b) about 1 percent of acetyl tributyl citrate;
- (c) about 19 percent of isooctane;
- (d) about 11 percent of isododecane; and
- (e) about 50 percent of hexamethyldisiloxane.

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